



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/671,953^B

DATE: 11/05/2002

TIME: 15:52:55

Input Set : A:\-991-2.app

Output Set: N:\CRF4\11052002\I671953.raw

3 <110> APPLICANT: Meares, Claude
 4 Chmura, Albert
 5 The Regents of the University of California
 7 <120> TITLE OF INVENTION: Engineering Antibodies That Bind Irreversibly
 9 <130> FILE REFERENCE: 023070-099120US
 11 <140> CURRENT APPLICATION NUMBER: US 09/671,953
 12 <141> CURRENT FILING DATE: 2000-09-27
 14 <150> PRIOR APPLICATION NUMBER: US 60/156,194
 15 <151> PRIOR FILING DATE: 1999-09-27
 17 <150> PRIOR APPLICATION NUMBER: US 60/208,684
 18 <151> PRIOR FILING DATE: 2000-05-31
 20 <160> NUMBER OF SEQ ID NOS: 23
 22 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

489 <210> SEQ ID NO: 17
 490 <211> LENGTH: 120
 491 <212> TYPE: PRT
 492 <213> ORGANISM: Artificial Sequence
 W--> 493 <220> FEATURE:
 493 <223> OTHER INFORMATION: Description of Artificial Sequence: V-H sequence of
 494 CHA255
 EOK 496 <400> SEQUENCE: 17
 497 Glu Val Thr Leu Val Glu Ser Gly Gly Asp Ser Val Lys Pro Gly Gly
 498 1 5 10 15
 500 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Ser Gly Glu
 501 20 25 30
 503 Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val
 504 35 40 45
 506 Ala Thr Thr Leu Ser Gly Gly Phe Thr Phe Tyr Ser Ala Ser Val
 507 50 55 60
 509 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Gln Asn Asn Leu Tyr
 510 65 70 75 80
 512 Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Phe Cys
 513 85 90 95
 515 Ala Ser His Arg Phe Val His Trp Gly His Gly Thr Leu Val Thr Val
 516 100 105 110
 518 Ser Ala Ala Lys Thr Thr Pro Pro
 519 115 120
 605 <210> SEQ ID NO: 21
 606 <211> LENGTH: 135

insert <220> whenever <221>, <222>
 is shown
 223

RAW SEQUENCE LISTING

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Input Set : A:\-991-2.app

Output Set: N:\CRF4\11052002\I671953.raw

607 <212> TYPE: PRT
 608 <213> ORGANISM: Artificial Sequence
 W--> 609 <220> FEATURE: *Insert*
 609 <223> OTHER INFORMATION: Description of Artificial Sequence: V-L sequence of
 610 CHA255 mutant S95C
 612 <400> SEQUENCE: 21
 613 Ala Val Val Thr Gln Glu Ser Ala Leu Thr Thr Ser Pro Gly Glu Thr
 614 1 5 10 15
 616 Val Thr Leu Thr Cys Arg Ser Ser Ile Gly Ala Val Thr Thr Ser Asn
 617 20 25 30
 619 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Thr Gly Leu
 620 35 40 45
 622 Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Val Pro Ala Arg Phe Ser
 623 50 55 60
 625 Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Ile Thr Gly Ala Gln
 626 65 70 75 80
 628 Thr Glu Asp Glu Ala Arg Tyr Phe Cys Ala Leu Trp Tyr Cys Asn Leu
 629 85 90 95
 631 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Ser Gln Pro Lys
 632 100 105 110
 634 Ser Ser Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Ser
 635 115 120 125
 637 Leu Gly Ile Gly Phe Pro Gly
 638 130 135

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/671,953B

DATE: 11/05/2002

TIME: 15:52:56

Input Set : A:\-991-2.app

Output Set: N:\CRF4\11052002\I671953.raw

L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:192
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:192
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:192
L:493 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:496 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17
L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:384
L:609 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:612 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:21